

# Marc Girons Lopez

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<b>Birth</b>	5 September 1986, Barcelona (Spain)	<b>Github://</b>	GironsLopez
<b>Nationality</b>	Spanish	<b>LinkedIn://</b>	marcgirons
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## EDUCATION

- 2016**      **PhD, Hydrology**  
Uppsala University, Uppsala (Sweden)  
Expected graduation date: October the 20<sup>th</sup>
- 2011**      **MSc, Earth Sciences (Hydrology/Hydrogeology)**  
Uppsala University, Uppsala (Sweden)
- 2009**      **BSc, Geology**  
Universitat Autònoma de Barcelona (UAB), Barcelona (Spain)
- 2008**      **ERASMUS Program**  
Université Joseph Fourier (Grenoble 1), Grenoble (France)

## PUBLICATIONS

### PEER-REVIEWED PUBLICATIONS

**Girons Lopez, M.**, Wennerström, H., Nordén, L.-Å., Seibert, J. (2015) Location and density of Rain Gauges for the Estimation of Spatial Varying Precipitation. *Geografiska Annaler. Series A, Physical Geography*.

### MANUSCRIPTS UNDER PREPARATION

**Girons Lopez, M.**, Seibert, J. (2016). Influence of Meteorological Data Spatial Aggregation on Streamflow Modelling. *Manuscript submitted for publication*.

**Girons Lopez, M.**, Di Baldassarre, G., Seibert, J. (2016). Assessing the Impact of Social Memory on Flood Early Warning Systems. *Manuscript submitted for publication*.

Rivera, S., **Girons Lopez, M.**, Minsker, B., Seibert, J. (2016). Probabilistic Flood Mapping Using Volunteered Geographical Information. *Manuscript under preparation*.

### THESIS

**Girons Lopez, M.** (2011) Modelling Climatic and Hydrological Variability in Lake Babati, Northern Tanzania. *Master Thesis, Stockholm University, Sweden*.

### THESIS UNDER REPARATION

**Girons Lopez, M.** (2016) Hydrological, Meteorological, and Social Data for Water Management. *PhD Thesis, Uppsala University, Sweden*

## CONFERENCE CONTRIBUTIONS

**Girons Lopez, M.**, Di Baldassarre, G., Seibert, J. (2016) Impact of Social Memory on the Efficiency of Flood Early Warning Systems (FEWS). *13th Congress INTERPRAEVENT 2016, Lucerne, Switzerland.*

**Girons Lopez, M.**, Di Baldassarre, G., Grabs, T., Halldin, S., Seibert, J. (2016) Exploring the Role of Social Memory of Floods for Designing Flood Early Warning Operations. *EGU General Assembly, Vienna, Austria.*

Rivera, S., **Girons Lopez, M.**, Minsker, B., Seibert, J. (2015) Probabilistic Flood Mapping using Volunteered Geographical Information. *3rd CUAHSI Conference on Hydroinformatics, Tuscaloosa, Alabama.*

**Girons Lopez, M.**, Seibert, J., Halldin, S., Wennerström, H. (2013) Value of distributed precipitation for flood early warning: A case study for a pre-alpine catchment in Switzerland. *Knowledge for the Future - Joint IAHS-IAPSO-IASPEI Assembly, Gothenburg, Sweden.*

Mbanguka, R. P., **Girons Lopez, M.**, Jarsjö, J. (2013) A Water Balance Model for Assessing Hydro Climatic Variability in Tropical Lake Systems: Application to Lake Babati and Lake Emakat, Northern Tanzania. *EGU General Assembly, Vienna, Austria.*

## GRANTS, AWARDS, & HONOURS

<b>2016</b>	EGU Photo contest 2016 winner
<b>2015</b>	CUAHSI Research Fellowship to participate in the National Flood Interoperability Experiment (NFIE) at the US National Water Center (Tuscaloosa, Alabama)
<b>2014</b>	Liljewalchs travel grant
<b>2010</b>	The Swedish-Spanish Foundation for the Promotion of Education and Studies Scholarship
<b>2007</b>	ERASMUS Scholarship

## RESEARCH PROJECTS

- Involved in the Swedish Natural Disaster Mitigation Research School.
- Involved in the National Flood Interoperability Experiment

## OTHER ACADEMIC ACTIVITIES

<b>2016</b>	<b>Translator for EGU's Planet Press outreach initiative</b> <ul style="list-style-type: none"><li>- Picturing the Northern Lights (Spanish translation)</li><li>- Tiny Plankton could have a big impact on Earth's climate (Spanish translation)</li><li>- Half a degree makes a world of difference (Spanish translation)</li></ul>
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# TEACHING

## TRAINING

**2015 Academic Teacher Training Course II**  
Uppsala University, Uppsala (Sweden)

## INSTRUCTOR

### **Climate and Landscape**

Uppsala University, Spring 2013

*Taught the part of the course related with water in the landscape*

### **Hydrology and Water Resource Management**

Uppsala University, Autumn 2012 - 2016

*Taught the part of the course related with atmospheric water, led field runoff measurements and a water balance estimation project, constructed and graded exams.*

### **Field Methods in Earth Science**

Uppsala University, Spring 2015 - 2016

*Taught how to use data loggers for environmental modelling and led a project on evapotranspiration estimation based on field measurements.*

### **Groundwater and Surface Water Modelling**

Uppsala University, Spring 2015 - 2016

*Taught the fundamentals of hydrological with HBV, led a project on hydrological modelling and held a seminar.*

## TEACHING ASSISTANT

**Meteorology, hydrology and Environmental Measurement Techniques** Uppsala University, Autumn 2013 - 2016 *Led numerical exercise solving sessions, field measurements of a number of hydrological processes and processing of field data.*

**Distribution and Treatment of Drinking Water** Uppsala University, Autumn 2011 - 2012 *Assisted students during laboratory work, graded exercises and exams.*

**GIS for Water Resources** Uppsala University, Spring 2012 - 2016 *Constructed laboratory instructions and assisted students during laboratory work.*

**Runoff** Uppsala University, Autumn 2012 - 2014 *Assisted students during laboratory work.*

**Soil Mechanics and Engineering Geology** Uppsala University, Autumn 2012 - 2015 *Reviewed concepts of classical mechanics at the beginning of the course and graded exercises.*

**Groundwater and Runoff modelling** Uppsala University, Autumn 2012 - 2014 *Led a project on hydrological modelling using HBV and graded reports.*

**Statistical Methods in Hydrology** Uppsala University, Spring 2012 *Graded exams.*

**Snow Physics and Hydrology** Uppsala University, Fall 2015 *Assisted students during laboratory work.*

**Field Course in Earth Science II** Uppsala University, Spring 2013 - 2014 *Led field measurements of a number of hydrological processes.*

**Global Hydrology** Uppsala University, Autumn 2011 *Led topographic field measurements.*

## OTHER EMPLOYMENT

- 2009**      **Lab technician intern**  
Laboratori Català de Control (Barcelona, Spain)  
Quality control of soils and construction materials for civil engineering projects as well as water analyses and adoption of ISO rules.
- 2008**      **Consultant intern**  
URS (Barcelona, Spain)  
Environmental control tests, soil decontamination and hydro-geological data processing as well as limnology field work for quality control of riverine systems

## REPRESENTATION DUTIES

- 2014 - 2016**   PhD student representative at the Centre for Natural Disaster Science (CNDS)  
Program board
- 2013**          PhD student representative at the Department of Earth Sciences Board,  
Uppsala University, Uppsala, Sweden
- 2007**          Student representative at the Geology Section Board, Universitat Autònoma de  
Barcelona, Barcelona, Spain

## SKILLS

### PROGRAMMING

Python • Matlab •  $\text{\LaTeX}$  • Markdown

### SOFTWARE

ArcGIS • QGIS • HBV

### LANGUAGES

**Native:** Catalan • Spanish

**Fluent:** English • French

**Intermediate:** Swedish